POLYHEDRON

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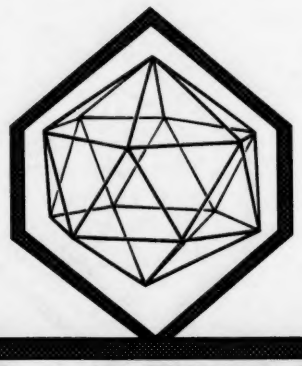

POLYHEDRON

The International Journal for Inorganic and Organometallic Chemistry

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M. G. Muralidhara, N. Grover and **V. Chandrasekhar** 1509 Reactions of 1,3-butanediol with hexachlorocyclotriphosphazene: unusual non-equivalence of phosphorus nuclei in the spirocyclic product $N_3P_3Cl_4[OCH(CH_3)CH_2CH_2O]$

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M. Cano, J. V. Heras, E. Santamaria, E. Pinilla, A. Monge, **C. J. Jones** and **J. A. McCleverty** — 1711 — Trispyrazolylborate degradation and the crystal structure of $[Mo(NO)(CO)_2\{HB(OPr^i)(3\text{-}Pr^i\text{-}5\text{-}MeC_3HN_2)_2\}]$

M. V. Borrachero, F. Estevan, **P. Lahuerta,** J. Payá and E. Peris — 1715 — Orthometallation reaction in dirhodium(II) compounds. Selective formation of doubly-metallated compounds with head-to-head structure

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M. E. Bodini, M. A. del Valle and V. Arancibia — 1733 — Redox chemistry and spectroscopy of the manganese-quinizarine-thiosalicylic acid mixed-ligand complex in aprotic medium

M. E. Bodini, R. Leiva, M. A. del Valle and V. Arancibia — 1739 — Voltammetric and spectroscopic studies of the behaviour of manganese(II) and manganese(III) complexes with isoquinolinecarboxylic acid in aprotic medium

V. Arancibia and **M. Bodini** — 1745 — Zinc(II) complexes with the reduction products of 2,3-dimethoxy-1,4-naphthoquinone in dimethyl sulphoxide redox chemistry and spectroscopy

M. A. S. Goher, M. A. M. Abu-Youssef, **F. A. Mautner** and A. Popitsch — 1751 — Synthesis, spectral and structural characterization of a bridging chloro complex of manganese(II) with picolinic acid; $[Mn(C_5H_4NCO_2H)(C_5H_4NCO_2)Cl]_2$

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A. Bailey, T. S. Corbitt, **M. J. Hampden-Smith,** E. N. Duesler and T. T. Kodas	1785	Synthesis and characterization of 1,1,1,5,5,5-hexafluoroacetylacetonato-(1,5-cyclooctadiene)silver(I) dimer. An unusual β-diketonate coordination mode
Luqin Yang, **Genglin Wang,** Shiping Yan, Daizheng Liao, Zonghui Jiang, Panwen Shen, Honggen Wang, Ruji Wang and Xinkan Yao	1793	Syntheses, properties and structure of the complexes of N-hydroxyethyl-N-benzimidazolylmethylethylenediaminediacetic acid with copper(II) and nickel(II)
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Wang Bo, **Yang Shiyan,** Jin Daosen and Zhou Lixin	1805	Lanthanide complexes of a sulphur–nitrogen–oxygen ligand derived from thiosemicarbazones
H. Feinberg, I. Columbus, S. Cohen, M. Rabinovitz, **H. Selig** and G. Shoham	1811	The structures of crown-ether/oxonium/AsF_6^- species
R. Hirota, Y. Yoshida, Y. Iida, H. Suezawa and T. Kogane	1817	Existence and distribution of geometrical isomers of bis-(*vic*-dioximato)nickel(II) complexes in solution
M. Maneva and M. Georgiev	1821	Synthesis, thermal and spectral investigation of a new beryllium periodate hydrate
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S. Meenakumari and **A. R. Chakravarty**	1825	Covalent attachment of two important dicopper(II) systems in a one-dimensional polymeric chain: an X-ray structure of $[\{Cu_2(en)_2(OH)_2\cdot Cu_2(O_2CMe)_4\}(PF_6)_2\cdot 0.5EtOH]a$ showing the shortest Cu···Cu distance in the tetraacetato core
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C. Jones, G. A. Koutsantonis and **C. L. Raston**	1829	Lewis base adducts of alane and gallane
M. A. Fox, **R. Greatrex,** N. N. Greenwood and M. Kirk	1849	Proposed structure of the first *hypho* carbaborane, $C_3B_4H_{12}$
A. Hector and **I. P. Parkin**	1855	Low-temperature solid-state routes to transition metal oxides via metathesis reactions involving lithium oxide

M. A. S. Goher and **F. A. Mautner** 1863 Preparation, crystal structure and spectroscopic study of azido (N,O-quinaldato)triaquamanganese(II) monohydrate and thiocyanato(N,O-quinaldato)(O-quinaldic acid)diaquamanganese(II), $[Mn(NC_9H_6COO)(N_3)(H_2O)_3] \cdot H_2O$ and $[Mn(NC_9H_6COO)(NC_9H_6COOH)(NCS)(H_2O)_2]$

M. A. S. Goher, A. A. Youssef, Zhong-Yuan Zhou and T. C. W. Mak 1871 Synthesis and characterization of some metal(II) complexes of quinolinic acid (H_2-Quin) and X-ray crystal structures of $[Ni(H\text{-}Quin)_2(H_2O)_2]$ and $[Mn(H_2O)_6][Mn(H\text{-}Quin)_3]_2$

M. A. S. Goher, A. E. H. Abdou, Wai-Hing Yip and **T. C. W. Mak** 1879 Preparation and characterization of gold(III) halide complexes of picolinic acid (pic-H) and X-ray crystal structure of $[K(pic\text{-}H)_2(H_2O)_2][AuBr_4] \cdot (pic\text{-}H)_2$

D. X. West, M. A. Lockwood, H. Gebremedhin, A. Castineiras and A. E. Liberta 1887 Molecular structure and spectral studies of bis(acetylpyrazine ^{4}N-dimethylthiosemicarbazonato)nickel(II), $[Ni(Pz4DM)_2] \cdot CH_2Cl_2$

J. I. Bullock and M. Oulabi 1895 Nine-coordinate adducts of tetrakis(thenoyltrifluoroacetonato) uranium(IV): equilibrium constants from ^{1}H NMR and electronic spectroscopy

I. R. Butler, L. J. Hobson, S. M. E. Macan and D. J. Williams 1901 Multidentate ferrocenylphosphines—I. Tris-(diphenylphosphino)-ferrocenes

D. C. Bradley, H. Chudzynska, M. B. Hursthouse and M. Motevalli 1907 The synthesis and characterization of volatile complexes of fluorinated alkoxides of yttrium. X-ray structures of $[Y\{OCMe(CF_3)_2\}_3(thf)_3]$ and $[Y\{OCMe(CF_3)_2\}_3(diglyme)]$

Fung-E Hong, Yuan-Terng Chang, Ming-Chu Cheng and Yu Wang 1919 Chromium tricarbonyl η^6-complexes of (η^5-cyclopentadienyl)(η^4-tetraphenylcyclobutadiene)cobalt

Xinmin Gan, Zhijian Liang, Ning Tang, **Minyu Tan,** Kaibei Yu and Ganzu Tan 1927 Studies on lanthanide complexes with open chain multidentate ligands—IX. Synthesis, characterization and structure of the complexes of lanthanide nitrates with N,N′-bis(4-methoxyphenyl)tetraglycollic diamide

G. Depaoli, P. Ganis, P. L. Zanonato and G. Valle 1933 Configurational trend in the coordination arrangement of some lanthanide(III) complexes. The crystal and molecular structure of $Yb(NCS)_3(THF)_4$—II

Shuangxi Wang, **Qinhui Luo,** Xiaoxian Zhou and Zhengzhi Zeng 1939 Synthesis, characterization and luminescence properties of lanthanide(III) complexes with 2,6-bis(benzimidazol-2′-yl)-pyridine

U. M. Tripathi, **A. Singh** and R. C. Mehrotra 1947 Preparation and characterization of heteroleptic tetraisopropoxoaluminato-yttrium(III) complexes

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M. A. J. Moss, R. A. Kresinski, **C. J. Jones** and W. J. Evans 1953 Polypyrazolylborate derivatives of the lanthanides. The synthesis of oxidation state(II) complexes

Book Review

S. Cotton 1957 Electron Paramagnetic Resonance of *d* Transition Metal Complexes. By F. E. Mabbs and D. Collison. (Studies in Inorganic Chemistry, Vol. 16)

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J. Burgess and S. A. Parsons	1959	Synthesis and reactivity of bis-4-pyrone and bis-4-pyridinone dichlorotin(IV) compounds
K. S. Siddiqi, F. M. A. M. Aqra, S. A. Shah and S. A. A. Zaidi	1967	A route leading to a stable M—H—B unit (M = Si, Ge, Sn). The bidentate and tridentate behaviour of tetrahydroborate
M. Petrič, I. Leban and P. Šegedin	1973	The crystal and molecular structure of tetrakis(μ-octanoato-O,O′)-bis(pyridine)dicopper(II)
O. Ni Dhubhghaill, D. Reed and **T. R. Spalding**	1977	The structure and bonding of *nido*-7,9-$X_2B_9H_9$ (X = S or Se)
R. Shukla and **P. K. Bharadwaj**	1983	A convenient route to iron(III)-thiolates: synthesis and characterization of low-spin (S = 1/2) iron(III) complexes having the chromophore $FeN_2S^*_2S_2$ (S* = thioether)
G. D. Fallon, B. Moubaraki, K. S. Murray, A. M. van den Bergen and **B. O. West**	1989	The molecular structures and magnetic properties of μ_3-tetranuclear β-diketonate copper complexes [Cu(bzac)(μ_3-$OC_2H_4OCH_3$)]$_4$ and [Cu(μ-dbm)(μ_3-$OC_2H_4OCH_3$)]$_4$
C. D. Chandler, G. D. Fallon and **B. O. West**	2001	Synthesis and molecular structure of [$Zn_2(CH_3COO)_3(OCH_3)$]
Qin Lu, Cheng-Yu Shen and **Qin-Hui Luo**	2005	A study on the Schiff base Cu_2Zn_2SOD model complexes—the relationship between structure and activity
R. S. Hay-Motherwell, **G. Wilkinson,** B. Hussain-Bates and **M. B. Hursthouse**	2009	Synthesis and X-ray crystal structure of oxotrimesityliridium(V)
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